



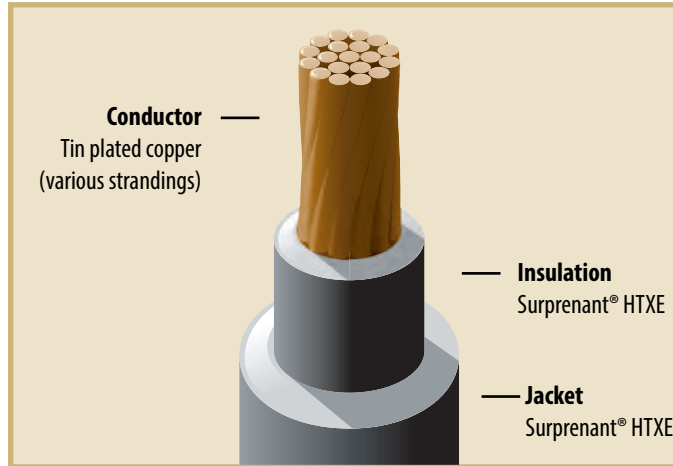
Surprenant® HTXE Military Wire

12293251

600V, -55°C to +125°C

APPLICATION

This wire is constructed with a flexible insulation material covered with a flexible, yet durable jacket. It meets the U.S. Army requirements for armored vehicles. It is also inherently flame resistant, having excellent oil and fluid resistance.



CONDUCTOR

Soft annealed tin plated copper, stranding as listed in the below table.

INSULATION

Gray extruded layer of Surprenant HTXE insulation.

JACKET

Black extruded layer of Surprenant HTXE.

| Part Number | Product Number | Conductor | | | Conductor Resistance @20°C Ω/kft | Nom. Diameter Inch | Weight lbs/kft |
|----------------|----------------|-----------|-----------|----------|----------------------------------|--------------------|----------------|
| | | AWG | Stranding | Material | | | |
| S-HTXE-1626 | HTXE2630UO45 | 16 | 26/30 | TC | 4.69 | .150 | 18 |
| S-HTXE-1441 | HTXE4130UO50 | 14 | 41/30 | | 2.94 | .175 | 26 |
| S-HTXE-1265 | HTXE6530UO50 | 12 | 65/30 | | 1.85 | .190 | 35 |
| S-HTXE-10105 | HTXE10530UO50 | 10 | 105/30 | | 1.15 | .210 | 50 |
| S-HTXE-8133 | HTXE13329UO55 | 8 | 133/29 | | .701 | .280 | 83 |
| S-HTXE-6133 | HTXE13327UO55 | 6 | 133/27 | | .445 | .325 | 115 |
| S-HTXE-6266 | HTXE26630UO55 | 6 | 266/30 | | .466 | .325 | 116 |
| S-HTXE-4133 | HTXE13325UO55 | 4 | 133/25 | | .280 | .380 | 179 |
| S-HTXE-4420 | HTXE42030UO55 | 4 | 420/30 | | .299 | .380 | 180 |
| S-HTXE-2655 | HTXE66530UO65 | 2 | 655/30 | | .183 | .465 | 269 |
| S-HTXE-1836 | HTXE83630UO65 | 1 | 836/30 | | .149 | .500 | 329 |
| S-HTXE-1X01045 | HTXE104530UO65 | 1/0 | 1045/30 | | .116 | .560 | 460 |
| S-HTXE-2X01330 | HTXE133030UO65 | 2/0 | 1330/30 | | .091 | .615 | 528 |
| S-HTXE-3X01666 | HTXE166630UO75 | 3/0 | 1666/30 | | .071 | .680 | 628 |
| S-HTXE-4X02107 | HTXE210730UO75 | 4/0 | 2107/30 | | .056 | .800 | 829 |

The above part numbers represent the more popular constructions. However, other designs are available upon request.

APPROVALS AND RATINGS

Army Drawing 12293251
Similar to 10603
125°C conductor temperature, 600 volt

